# Operating Manual

## Electronic Baby Scale, class III approved, M10010

ADE GmbH & Co.
Hammer Steindamm 27 – 29

22089 Hamburg / GERMANY

☎ +49(40)432776-0
Fax +49(40)432776-10
E-mail: info@ade-hamburg.de

## Contents


Contents ..... 1
Components and Features ..... 2
Display symbols ..... 2
Installation and use of scale ..... 3
Check carton contents ..... 3
Power Supply of the scale ..... 3
Positioning of the scale ..... 3
Use of the scale where approved scales are imperative ..... 3
Quality check ..... 4
EC type approval ..... 4
Use of the scale ..... 4
Weighing ..... 4
Set zero ..... 4
Tare function ..... 5
Hold function ..... 5
Unit function ..... 5
Cleaning, Maintenance and Re-approval ..... 5
Cleaning ..... 5
Service ..... 5
Safety instructions ..... 5
Storage and Transport ..... 6
Warranty ..... 6
Re-approval ..... 6
Technical data ..... 6
Certificate of conformity ..... 7

## Components and Features

**Attention: the power switch is situated underneath the base of the scale right hand side**

| Keys | Function |
|---|---|
| ZERO | To set scale to zero |
| TARE | To tare any requested value |
| HOLD | To fix the weighing result |
| UNIT | To change the weighing unit (kg, lb) |

**Display symbols**

| | |
|---|---|
| gross | Indication of weight taken |
| tare | Indication that a tare value has been keyed in and is active |
| zero | Indication that scale has been set to zero manually |
| ⏢ | Indication that a stable value has been reached |
| | Indication that battery is low |

## Installation and use of scale

Your ADE Electronic Baby Scale is a class III approved scale which has been manufactured for medical use in hospitals, by doctors or medical specialists.

**The scale is a precision instrument.**
**The weighing result is used as an essential basis for medical application decided by doctors or medical personnel in hospitals, nursing homes, rehabilitation- and dialysis centres.**
**Make sure the baby is only weighed by trained personnel and is never left unattended.**

In order to achieve the best possible results kindly read and follow the Operating Manual in all respects.

### Check carton contents

- Baby scale
- Baby tray
- Mains adapter
- Operating Manual including Certificate of Conformity

### Power Supply of the scale

By mains adapter (9V 800mA) and rechargeable batteries (power-pack).

- The battery pack is already installed in the base of the scale.
- Charge the power-pack by using the mains adapter and connect the jack firmly.
- Complete first charging of power-pack needs 24 hours.
- The full battery life is approx. 100 hours.
- If power-pack needs recharging there will be an arrow above the low battery symbol on the display. Still the scale with operate for about 10 hours after which it will automatically switch off to protect the battery.
- You can also identify status of battery charging by the colour of the LED control light placed in the left hand corner above the display.
- When the scale is plugged into mains the power pack will be recharged automatically.
- If LED is green the batteries have full charge. If it is red the battery is nearly discharged and yellow indicates the battery is under charge.
- Battery life becomes weaker if lifetime after charging becomes shorter. In this case contact your local dealer or service partner.
- Please make sure the local voltage supply corresponds to the indication printed on the adapter.

### Positioning of the scale

- Place the scale on a level surface.
- Make sure all four feet of the platform have direct contact to the surface.
- The spirit level of the scale is an additional tool to make sure the scale is carefully positioned and offers best results when the air bubble is centred.
- The alignment of the scale must be checked and corrected every time the location of the scale is changed.

### Use of the scale where approved scales are imperative

The scale corresponds to standards and requirements of the European Directives 90/384/EEC and 93/42 EEC.

## Quality check

ADE products correspond to the applicable EC Directives and European standards to manufacture and distribute world-wide weighing and measuring equipment as per the latest technical standard offering a long lifetime and continuous reliability.

CE 06 0044

This symbol stands for fulfillment of the European Directive 93/42 EEC for medical devices and declares the conformity as per this Directive.

Due to the certification as per ISO 9001/2000 the high standards for Research & Development, Manufacturing, Sales and Service requirements are fulfilled. A copy of our ISO Certificate is available on request.

III

Approved scales class III respecting the standards of the Directive 90/384 EEC for non automatic scales are carrying this symbol.

M

Scales carrying this symbol in combination with class III sign are calibrated in accordance with the high precision standards laid down in EC Directive 90/384 EEC.

CE 06 0110

Products carrying this symbol meet the requirements of:

- Directive for non automatic scales for medical use 90/384 EEC
- Applicable EC Directive governing the electromagnetic compatibility (89/336 EEC).
- Directive 73/23 EEC for low voltage regulations

## EC type approval

The scale has been EC type approved under Nr.

# Use of the scale

## Weighing

Power the scale by pressing the tilting switch underneath the base on the right hand side for min. 3 seconds. After start up an automatic function test is done which ends in switching into `0.00´ position in kg weighing mode. The scale is now ready to weigh. In case of any irregularities in weighing procedure the display will show the error indication Err xxx.
In this case go to chapter Cleaning, Maintenance and Re-approval, see point Service.
After `0.00´ is displayed properly the scale can be loaded. Make sure the baby does not move too much.
The correct weight can be read on the display.

## Set zero

By using the **Zero** key eventual irregularities occurred after start up the scale can be compensated by setting the display back to zero for all subsequent weighing procedures.

## Tare function

This function enables the user to weigh the baby together with other objects (e.g. diaper, vetst, towel or blanket) without getting any other result than just the baby's weight.

- Start the scale by using the tilting switch underneath the base right hand side.
- Zero the scale by pressing the **Zero** key if necessary. The zero indicator will be seen on the display.
- Place object (e.g. diaper, vest, towel or blanket) on the tray.
- Press **Tare** key to come back to zero. Display should show `0.00´. The display will show the **tare** indicator.
- Place the baby on the tray.
- The weight displayed is just baby's weight.

If the tarred objects remain always the same you may continue weighing another baby and the scale will only show the weight of the baby you are weighing. Once the scale is shut off (e.g. automatically in battery operating mode) the stored value is cleared. If the tare value is changing during operation of the scale, complete unloading of the scale is necessary. Additionally press **zero** key to return to normal status.

## Hold function

Press the **Hold** key in case of unstable readout which might occur if for example the baby is constantly moving on the baby tray. The scale will hold the result displayed. After scale has been unloaded, the result value is still readable and can be noted. This allows taking care of the baby first.
Press Hold key again to return to normal status.

## Unit function

By using the **Unit** key you may select the weighing mode (kg, lb).
Before weighing always make sure you are in the selected weighing mode.

# Cleaning, Maintenance and Re-approval

## Cleaning

Before cleaning make sure the scale has been disconnected from the socket.
For cleaning just use a damp cloth or common disinfection products.
Do not use any aggressive cleaning fluids.
Make sure no water or cleaning fluid penetrates the scale.

## Service

Display indication Recharge the power-pack by using the mains adapter. (see also page 3 chapter Power Supply of the scale)
Any other failure messages on the display e.g. Err 4, Err 5, Err 6 or Err 9 please contact your local dealer or service partner or see Service Manual where instructions for authorized technical staff is available.

## Safety instructions

Do NOT use the scale

- If the mains adapter shows visible damages
- If mains adapter is not working properly
- After long storage in humid places

In those cases contact your local dealer or service partner.

**Storage and Transport**

Keep all original parts and pieces for an eventual sending back of the scale in order to avoid any possible damage during transport which automatically leads to no warranty.

Disconnect all cables before transport to avoid unnecessary damages.

**Warranty**

A two years warranty period from date of purchase will be guaranteed for either repair or replacement once it is proven that the defects are caused by poor material or poor workmanship (please keep the receipt for presentation). All moveable parts such as batteries, cables, plug-in power supply units, rechargeable batteries etc. are excluded. Warranty does not apply to normal appearance of usage or sign of wear or any damages caused by accidents or misuse. Products which have been opened by unauthorized persons are automatically out of warranty.
Customers abroad are requested to contact their local dealers in the event of any warranty becoming applicable.

**Re-approval**

For re-approval of the scale as per the national directives governing the standards for non automatic scales as well as for medical devices please make sure to contact only authorized companies or persons. On the CE sign you are finding the number of the notified body (0110) and the year of the first approval of the scale. A re-approval becomes necessary

- IF the approval seal has been damaged
- AFTER repair of an approved scale
- OR after expiry of the validity of the first approval which is nationally regulated. For further information please contact your Weight & Measure Institute.

**Technical data**

| | |
|---|---|
| Display: | easy to read 20 cm LCD Display with backlight |
| Housing of Display: | robust plastic housing |
| Power supply: | Mains & rechargeable batteries |
| Function keys: | 4 keys (see chapter components & features) |
| Zero setting: | automatic |
| Max. Capacity: | 15 kg / 33 lbs |
| Graduation: | 5 g / 0,25 oz |
| Dimensions (WxHxD): | 535 x 222 x 330 mm |
| Weight: | approx. 4,5 kg |
| Working Temperature: | 10 to +40 degrees Celsius |

# Certificate of conformity

**D**

... entspricht dem in der Bescheinigung über die Bauartzulassung beschriebenen Baumuster. Die Waage erfüllt die geltenden Anforderungen folgender Richtlinien:
90/384/EWG über nichtselbsttätige Waagen,
93/42/EWG über Medizinprodukte und die Europäische Norm DIN EN 45501.

**DK**

... svarer til det typemonster, som er beskrevel i attesten over typegodkendelsen. Vaegten opfylder de gaeldende krav fra folgende direktiver:
90/384/EOF om ikke-automatiske vaegte,
93/42/EOF om medicinprodukter og den eurpaeiske standard DIN EN 45501.

**GB**

… corresponds to the type described in the certificate in respect of type approval permit. The scales conform to the applicable requirements of the following directives:
90/384/EEC on non-automatic scales,
93/42/EEC on medical products and European standard DIN EN 45501.

**F**

… conforme au modèle type décrit dans le certificat d'homologation. Cette balance est conforme aux directives et normes suivantes : directive 90/384/CEE concernant l'harmonisation des Etats membres relative aux instruments de pesage à fonctionnement non automatique ; directive 93/42/CEE sur les produits et appareils médicaux ; norme européenne DIN EN 45501.

**I**

… è conforme al campione descritto nel certificato di omologazione costruttiva. La bilancia risponde ale vigenti esigenze poste dalle seguenti direttive:
90/384/CEE sulle bilanci non automatiche,
93/42/CEE sui prodotti medicali e la norma europea DIN EN 45501.

**RUS/UA/BY**

СертиФикат качества ISO 9001

**E**

… corresponde a la muestra descrita en el certificado sobre el permiso de construcción. La báscula cumple las exigencias de las siguientes directrices :
90/384/CEE sobre básculas no automáticas
93/42/CEE sobre productos médicos y
la norma europea DIN EN 45501.

**S**

... motsvarar beskrivningen enligt mönstertillståndet. Vágen uppfyller gällande krav i direktiven angáende icke automatiska vágar:
(90/384/EWG), 93/42/EWG över medicinska produkter samt den europeiska normen DIN EN 45501.

**N**

... er i samsvarmed monsteret som er beskrevet i sertifikatet over konstruksjonstype-godkjennelsen. Vekten oppfyllerde gjelende kravene i folgende direktiver:
90/384/EEC om ikke-automatiske vekter,
93/42/EEC om medisinske proukter og den europeiske standarden DIN EN 45501.

**FIN**

... on tyyppihyväksyntätodistuksessa kuvatun raken nemallin mukainen. Vaaka täyttää seuraavien direktiivien voimassa olevat vaatimukset:
90/384/ETY ei-automaattisista vaaoista,
93/42/ETY lääketieteellisistä tuotteista ja Euro-normi DIN EN 45501.

**NL**

... komt oveeen met de in de verklaring van over de modelkeuring beschreven constructie. De weegschaal voldoet aan de geldende eisen van de volgende richtlijnen:
90/364/EEG inzake niet-automatische weegschalen 93/42/EEG inzake medische hulpmiddelen en de Europese norm DIN EN 45501.

**P**

… corresponde ao padrão de construcão descrito no certificado de homologacão de tipo de construcão. A balanca satisfaz os requistios aplic#aveis da directiva sobre balancas não automáticas 90/384/CEE e 93/42/CEE sobre artigos médicos do Conselho, bem come da norma Europeia DIN EN 45501.

**GR**

... ανταηοκριεται στο καταοκενατικο προτθπο πον περιγραφεται στην εγκριτκη βεβαιωση τον κατασκεναοτικον τροπον. Η ζνγαρια εκπληρωει τις προνποΟεσεις των ακολονΘων Οδπγιων:
90/384/ΕΟΚ περι μη αντοματων ζνγαριων,
93/42/ΕΟΚ περι ιατρικων προιοντων, και την Ενρωπαικη ΠροδιαγραΦη DIN EN 45501.

Konformitätserklärung
Overensstemmelsesttest
Declaration of conformity
Certificat de conformité
Declaration de conformidad
Dichiarazione di conformità
Försäkran om överensstämmelse
Konformitetserklaering
vaatimuksenmukaisuusvakuutus
Verklaring van overeenkornst
Declaracao de conformidade
Δηλωση Συμβατστητας

Die nichtselbsttätige Personenwaage
The non-automatic personal scales
Le pèse-personnes non automatique
La bilancia pesapersone nn automatica
La báscula no automàtica pesapersona
Den ikke-automatiske personvaegr
Den icke-automatiske personvekten
Ei-automaattinen henkilövaaka
De niet-automatische personenweegschaal
A balanca näo automática para pessoas
Η μη αντοματη ζνγαρια ατομων

# ADE M10010

EG-Bauartzulassung
EC type approval
Homologation CE
Omologazione del tipo costruttivo CEE
Homologatión CE
EF-typegodkendelse
EG-kontroll
EF-konstruksjonstype-godkjennelse
EY-tyyppihyväksyntä
EG-modelkeuring
Homologacao CE de tipo de construcão
Αδεια καταοκεναοτικον τροπον Ε.Κ.

Hamburg, Januar 2004
Andreas Schmitt
Geschäftsführer

**ADE GmbH & Co.**
Hammer Steindamm 27 – 29, 22089 Hamburg
Germany

☏ +49(40)432 776 - 0
🖷 +49(40)432 776 - 10
💻 info@ade-hamburg.de

Supplier:

ADE GmbH & Co.
Hammer Steindamm 27 – 29
22089 Hamburg

Germany